

CLAIM AMENDMENTS

1. (Currently amended) A specialty ink-jet ink, comprising:
an ink vehicle; and

61 a sufficient amount of particulates having directionally dependent light reflective properties dispersed within the ink vehicle such that when the ink-jet ink is substantially dried on a desired substrate, a multi-colored reflected light is emittable in the presence of a light source, said specialty ink-jet ink being ink jettable and configured for reliable ink-jetting from an ink-jet ink pen having a bore size from 20 microns to 200 microns in diameter without clogging the ink-jet pen, and wherein said particulates are selected from the group consisting of pearlescent particulates, mica particulates, glitter particulates, coated silica composite particulates, coated plastic composite particulates, magnesium fluoride particulates, and combinations thereof.

2. (Cancelled)

3. (Original) A specialty ink-jet ink as in claim 1 wherein the particulates are shaped according to a general geometry selected from the group consisting of substantially spherical, substantially plate-like, substantially irregular, and substantially needle-like.

4. (Original) A specialty ink-jet ink as in claim 1 wherein the particulates range in size from .01 microns to 100 microns in length.

5. (Original) A specialty ink-jet ink as in claim 1 wherein the particulates range in size from 2 microns to 20 microns in length.

6. (Original) A specialty ink-jet ink as in claim 1 wherein the particulates range in size from 5 microns to 10 microns in length.

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7. (Original) A specialty ink-jet ink as in claim 1 wherein the particulates range in size from 20 microns to 100 microns in length.

8. (Original) A specialty ink-jet ink as in claim 1 wherein the particulates range in size from 0.01 to 0.1 microns in length.

9. (Original) A specialty ink-jet ink as in claim 1 wherein the particulates are present in the ink vehicle at from 1% to 10% by weight.

10. (Original) A specialty ink-jet ink as in claim 1 further comprising an effective amount of an ink colorant.

11. (Original) A specialty ink-jet ink as in claim 10 wherein the ink colorant imparts the directionally dependent light reflective properties.

12. (Original) A specialty ink-jet ink as in claim 10 wherein the ink colorant is a plurality of pigment solids, and the pigment solids are attached to the particulates.

13. (Currently amended) An aqueous ink-jet ink printing system, comprising:
a specialty ink-jet ink comprising an ink vehicle having dispersed therein an effective amount of particulates, said particulates having directionally dependent light reflective properties, and wherein the ink-jet ink is ink jettable and said particulates are selected from the group consisting of pearlescent particulates, mica particulates, glitter particulates, coated silica composite particulates, coated plastic composite particulates, magnesium fluoride particulates, and combinations thereof; and

a specialty ink-jet ink pen configured for jetting the ink-jet ink.

14. (Original) A system as in claim 13 wherein the specialty ink-jet ink pen is selected from the group consisting of a thermal ink-jet ink pen and a piezo ink-jet ink pen.

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and

15. (Original) A system as in claim 13 further comprising a substrate configured for accepting the jetted specialty ink-jet ink.

16. (Original) A system as in claim 15 wherein the particulates, when printed on the substrate and in the presence of light, emit multi-colored reflected light.

17. (Original) A system as in claim 15 wherein the intensity of the directionally dependent light reflective properties is increased upon a second coating of the specialty ink-jet ink printed onto the printed substrate.

18. (Original) A system as in claim 13 wherein the average particulate size in length to bore size in diameter is from 1:8 to 1:300.

19. (Previously amended) A system as in claim 13 wherein the ink-jet ink pen has a bore size from 20 microns to 200 microns in diameter.

20. (Original) A system as in claim 13 wherein the particulate size is from 0.01 microns to 100 microns in length.

21. (Original) A system as in claim 15 further comprising a standard ink-jet ink pen capable of printing black or colored images, wherein the specialty ink-jet ink pen rides along with the standard ink-jet pen, and wherein the specialty ink-jet ink pen is activated when the substrate is to be marked as an original.

Claims 22-40 (withdrawn)
